

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces the claims in the application:

Listing of Claims

Claims 1-12 (canceled)

Claim 13 (new): A pharmaceutical composition for the treatment of benign prostate hyperplasia comprising

between about 0.002 g and about 0.05 g of polysaccharide from a gram negative bacteria,

between about 0.1 mg and about 2 mg water soluble thymus extract;

between about 0.01 mg and about 1 mg water soluble prostate extract, and

between about 0.02 mg and about 2 mg of total carbohydrates,

per mL of solution in a physiologically acceptable solvent.

Claim 14 (new): The pharmaceutical composition of claim 13, wherein said carbohydrate comprises glucose.

Claim 15 (new): The pharmaceutical composition of claim 13, wherein the gram negative bacteria is *Pseudomonas aeruginosa*.

Claim 16 (new): The pharmaceutical composition of claim 13, comprising about 0.005 g of a polysaccharide from *Pseudomonas aeruginosa*;
about 0.9 mg of water soluble thymus extract;
about 0.3 mg of water soluble prostate extract; and

about 0.038 mg total carbohydrates.

Claim 17 (new): A method of preparing a pharmaceutical composition comprising, isolating a polysaccharide from a culture of gram negative bacteria in a liquid medium, said culture raised under rigorous conditions of bacteriological asepsis and said bacteria culture typified by biochemical tests;

combining between about 0.002 g to about 0.05 g of said polysaccharide with between 0.1 mg and about 2 mg water soluble thymus extract, between about 0.01 mg and about 1 mg of water soluble prostate extract, and between about 0.02 mg and 2 mg of total carbohydrates,

in a physiologically acceptable solvent to obtain about 1mL of solution.

Claim 18 (new): The method of claim 17, wherein the bacteria is a *Pseudomonas* bacteria.

Claim 19 (new): The method of claim 17 wherein the culture stock is a commercially available nutritious culture broth.

Claim 20 (new): The method of claim 17, further comprising establishing bacterial growth curves;
determining optimum culture time to obtain high concentration of polysaccharide;
and
incubating said bacteria for a time corresponding to the optimum culture time.

Claim 21 (new): The method of claim 17, said isolating comprising isolating said washing and conditioning a bacterial mass derived from said culture of gram negative bacteria.

Claim 22 (new): The method of claim 21, further comprising storing said bacterial mass in a freezer before preparing the pharmaceutical composition.

Claim 23 (new): The method of claim 21, further comprising testing said bacterial mass with biochemical tests until said bacterial mass is bacteria free.

Claim 24 (new): The method of claim 17, said isolating comprising conditioning a bacterial mass derived from said culture of gram negative bacteria with organic solvents prior to extraction, drying said bacterial mass, weighing said bacterial mass, and isolating said bacterial mass by ultra air centrifuge.

Claim 25 (new): The method of claim 24, further comprising extracting said bacterial mass with a phenol solution.

Claim 26 (new): The method of claim 25, further comprising hydrolyzing and separating a lipid fraction.

Claim 27 (new): The method of claim 26, further comprising isolating pure polysaccharide by ultracentrifugation.

Claim 28 (new): A method of treating benign prostatic hyperplasia comprising administering to an organism in need thereof a pharmaceutical composition that comprises from about 0.002 g to about 0.05 g of a polysaccharide of gram negative bacteria,

between about 0.002 g and 0.05 g of polysaccharide from a gram negative bacteria,

between about 0.1 mg and about 2 mg water soluble thymus extract;

between about 0.01 mg and about 1 mg water soluble prostate extract, and

between about 0.02 mg and about 2 mg of total carbohydrates,

per mL of solution in a physiologically acceptable solvent.

Claim 29 (new): The method of claim 27, wherein said composition comprises about 0.005 g of a polysaccharide from *Pseudomonas aeruginosa*,

about 0.9 mg of water soluble thymus extract,

about 0.3 mg of water soluble prostate extract, and

about 0.038 mg of carbohydrates.